

Figure 1

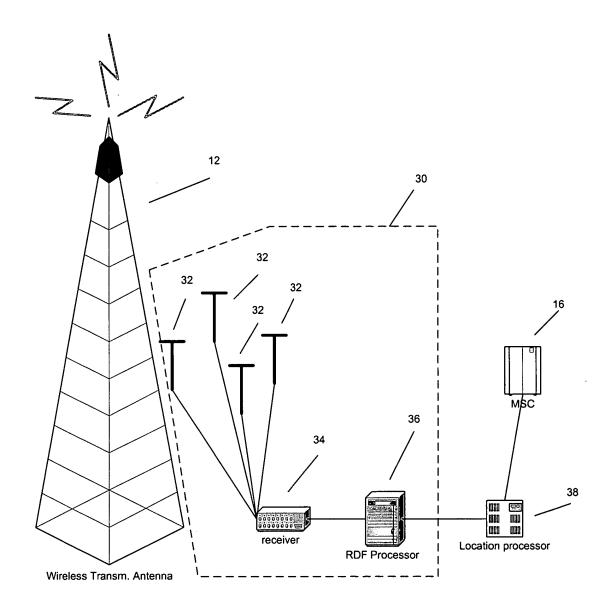
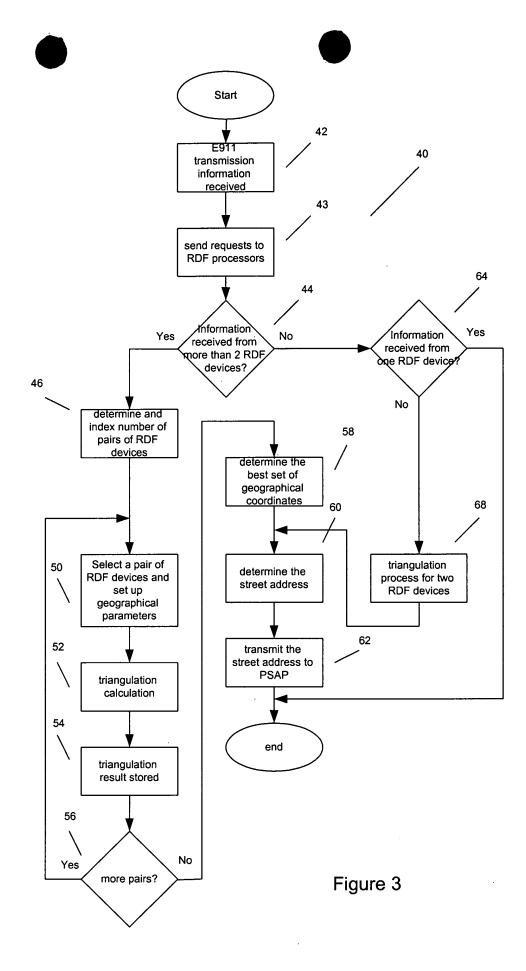


Figure 2



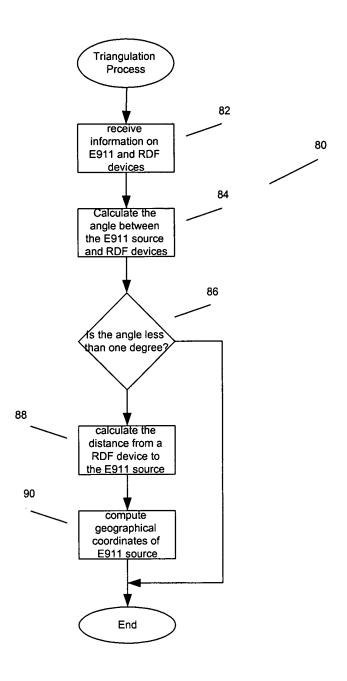
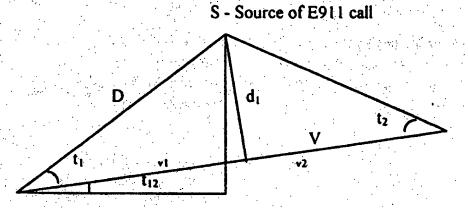


Figure 4



T<sub>2</sub> - Tower2

T<sub>1</sub>-Tower I

## **DEFINITIONS**

 $d_1$  is the perpendicular distance from Source, S, to the vector, V, connecting  $T_1$  and  $T_2$  D is the derived distance from S to  $T_1$  V is the length of the vector from  $T_1$  to  $T_2$   $v_1$  is the distance from  $T_1$  to  $d_1$   $t_1$  is the angle from S to  $T_2$   $t_{12}$  is the angle at  $T_1$  from the vector, V, to a line representing the Latitude of  $T_1$   $t_2$  is the angle from S to  $T_1$  V is the sum of  $v_1$  and  $v_2$ 

$$v_1 = V (tangent t_2) / [(tangent t_1) + (tangent t_2)]$$
 $D = v_1 / \cos t_1$ 

Source Latitude =  $T_1$  Latitude + D sin  $(t_1 + t_{12})$  - - - Equation 3

Source Longitude =  $T_1$  Longitude + D cos  $(t_1 + t_{12})$  - - Equation 4